

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P848115

Luminaire Tested: **GLAN-SB4C-740-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23188 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

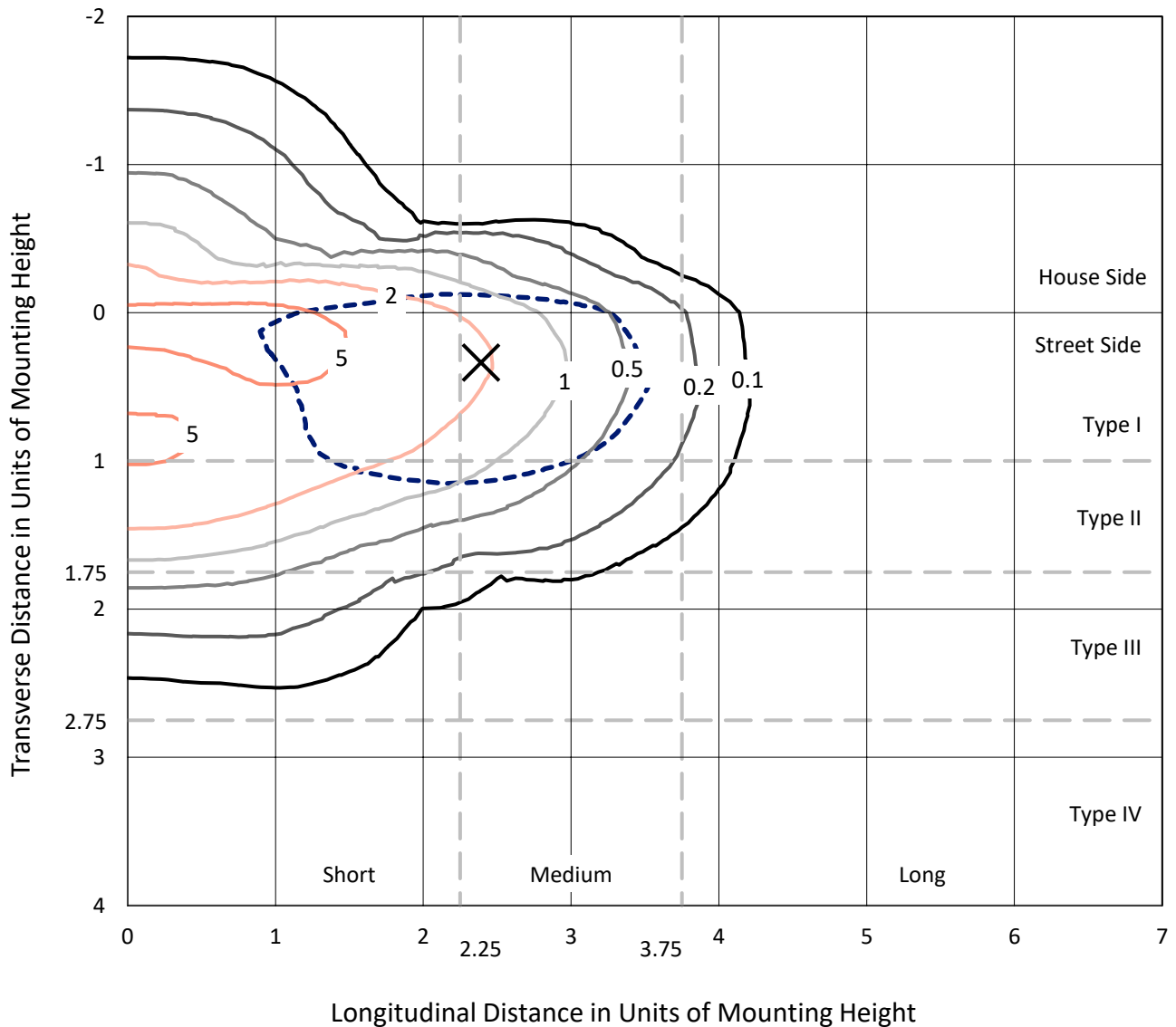
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848115
 CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

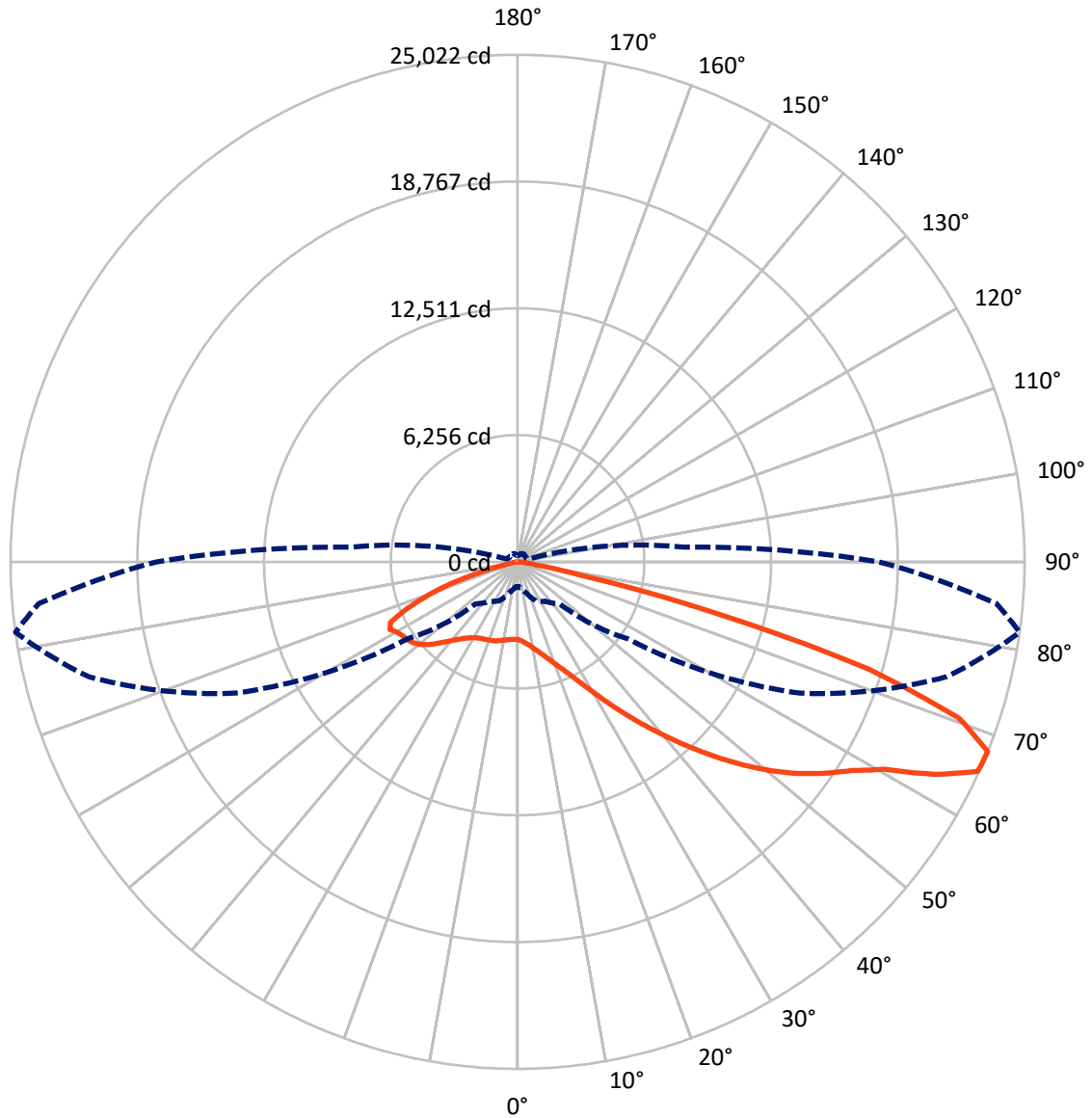
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P848115
CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P848115
 CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

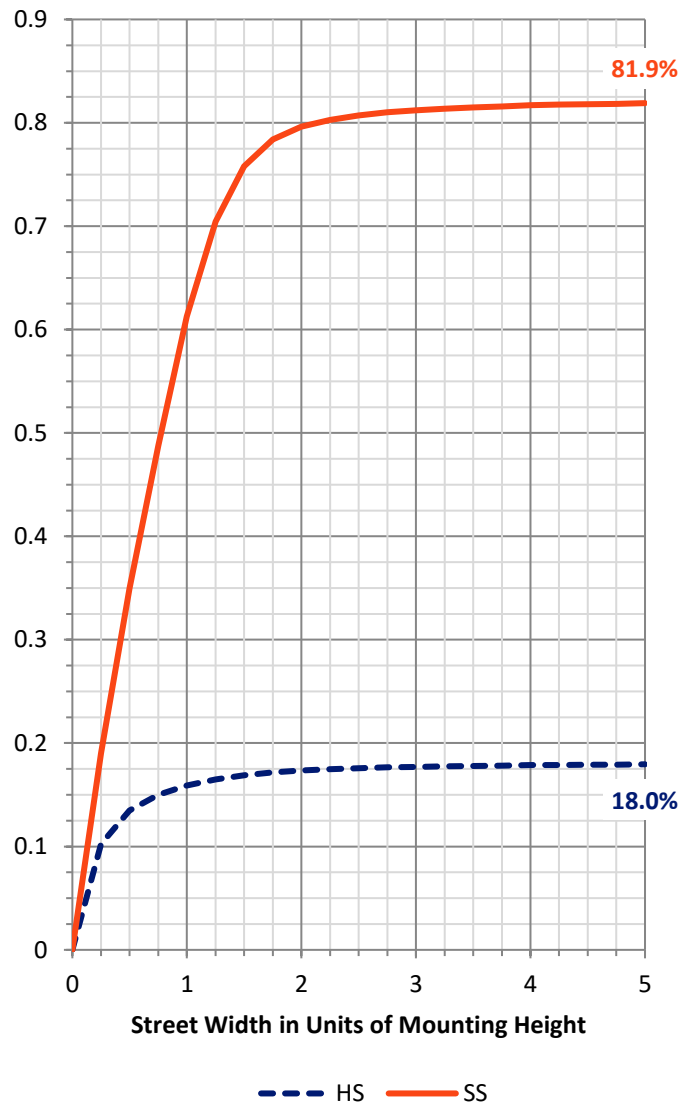
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4200.3 | 0.0 | 4200.3 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 18987.7 | 0.0 | 18987.7 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 23188.0 | 0.0 | 23188.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 342.2 | 1.5 |
| 10°-20° | 889.4 | 3.8 |
| 20°-30° | 1424.5 | 6.1 |
| 30°-40° | 2518.9 | 10.9 |
| 40°-50° | 4413.4 | 19.0 |
| 50°-60° | 5886.2 | 25.4 |
| 60°-70° | 5479.7 | 23.6 |
| 70°-80° | 2103.1 | 9.1 |
| 80°-90° | 130.6 | 0.6 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 23188.0 | 100.0 |
| 0°-180° | 23188.0 | 100.0 |

Coefficient of Utilization

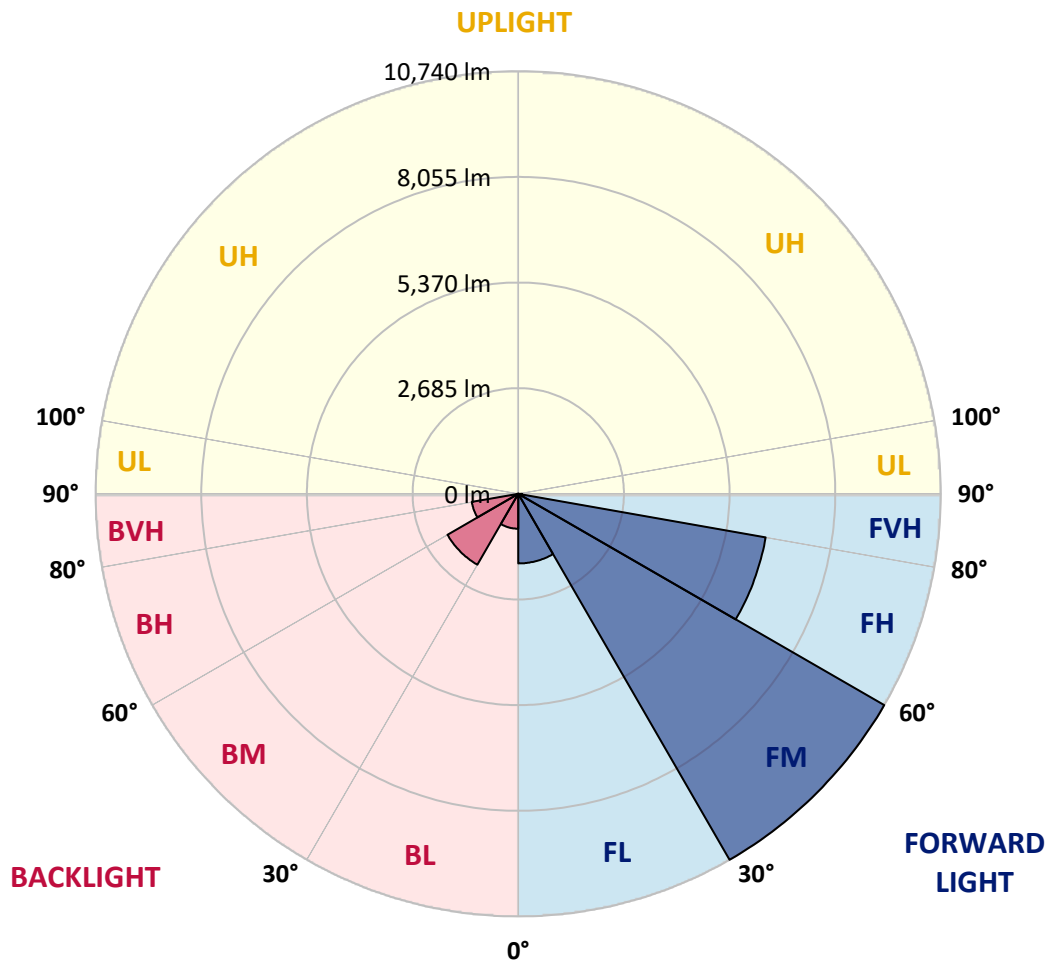


REPORT NUMBER: P848115
 CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1769.0 | 7.6 | | | |
| FM (30°-60°) | 10739.7 | 46.3 | | | |
| FH (60°-80°) | 6384.0 | 27.5 | | | G3/7500 |
| FVH (80°-90°) | 95.0 | 0.4 | | | G1/100 |
| BL (0°-30°) | 887.1 | 3.8 | B2/1000 | | |
| BM (30°-60°) | 2078.7 | 9.0 | B2/2500 | | |
| BH (60°-80°) | 1198.8 | 5.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 35.7 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type II Medium



REPORT NUMBER: P848115
 CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 |
| 2.5° | 4060.2 | 4083.5 | 4070.2 | 4063.5 | 4051.8 | 4035.1 | 4021.8 | 3980.0 | 3936.6 | 3908.2 |
| 5° | 4142.0 | 4165.3 | 4163.7 | 4170.4 | 4178.7 | 4183.7 | 4180.4 | 4133.6 | 4071.9 | 4023.4 |
| 7.5° | 4071.9 | 4098.6 | 4120.3 | 4153.7 | 4212.1 | 4273.9 | 4303.9 | 4293.9 | 4230.5 | 4163.7 |
| 10° | 3873.2 | 3901.6 | 3953.3 | 4031.8 | 4155.3 | 4288.9 | 4400.7 | 4452.5 | 4412.4 | 4339.0 |
| 12.5° | 3509.2 | 3537.6 | 3639.5 | 3809.7 | 4016.8 | 4248.8 | 4462.5 | 4601.1 | 4611.1 | 4537.6 |
| 15° | 3100.2 | 3128.6 | 3237.1 | 3450.8 | 3766.3 | 4138.6 | 4495.9 | 4758.0 | 4846.5 | 4783.1 |
| 17.5° | 2846.5 | 2871.5 | 2953.3 | 3125.3 | 3454.1 | 3918.3 | 4484.2 | 4925.0 | 5127.0 | 5076.9 |
| 20° | 2769.7 | 2791.4 | 2829.8 | 2950.0 | 3223.8 | 3689.5 | 4407.4 | 5081.9 | 5429.1 | 5400.8 |
| 22.5° | 2851.5 | 2871.5 | 2883.2 | 2936.6 | 3108.6 | 3539.3 | 4310.6 | 5242.2 | 5779.7 | 5783.1 |
| 25° | 3040.1 | 3060.2 | 3046.8 | 3080.2 | 3155.3 | 3492.5 | 4273.9 | 5430.8 | 6220.5 | 6257.2 |
| 27.5° | 3350.6 | 3352.3 | 3320.6 | 3318.9 | 3330.6 | 3562.7 | 4312.3 | 5632.8 | 6776.4 | 6844.9 |
| 30° | 3973.4 | 3948.3 | 3826.4 | 3694.6 | 3634.5 | 3773.0 | 4419.1 | 5871.6 | 7432.5 | 7554.4 |
| 32.5° | 4933.3 | 4896.6 | 4672.9 | 4357.3 | 4040.1 | 4111.9 | 4611.1 | 6143.7 | 8147.0 | 8367.4 |
| 35° | 5975.1 | 5965.0 | 5731.3 | 5262.2 | 4707.9 | 4594.4 | 4923.3 | 6500.9 | 8926.7 | 9277.3 |
| 37.5° | 6943.4 | 6938.3 | 6804.8 | 6252.2 | 5577.7 | 5267.2 | 5424.1 | 6968.4 | 9761.4 | 10269.0 |
| 40° | 7828.2 | 7843.2 | 7709.6 | 7215.5 | 6536.0 | 6130.3 | 6105.3 | 7546.0 | 10689.7 | 11349.1 |
| 42.5° | 8592.8 | 8609.5 | 8474.3 | 8108.7 | 7482.6 | 7085.3 | 6941.7 | 8253.9 | 11596.2 | 12509.4 |
| 45° | 9112.0 | 9215.5 | 9195.5 | 8903.3 | 8454.2 | 8041.9 | 7946.7 | 9142.1 | 12629.6 | 13739.8 |
| 47.5° | 9258.9 | 9354.1 | 9504.3 | 9544.4 | 9270.6 | 8864.9 | 8978.4 | 10212.2 | 13674.7 | 14971.9 |
| 50° | 8896.6 | 8985.1 | 9297.3 | 9713.0 | 9903.3 | 9778.1 | 9981.8 | 11359.1 | 14744.8 | 16200.6 |
| 52.5° | 8182.1 | 8272.3 | 8666.3 | 9324.0 | 10100.3 | 10494.3 | 10988.5 | 12489.4 | 15781.6 | 17364.2 |
| 55° | 7148.7 | 7243.9 | 7749.7 | 8494.3 | 9724.7 | 10789.8 | 11828.2 | 13617.9 | 16731.5 | 18411.0 |
| 57.5° | 5743.0 | 5813.1 | 6339.0 | 7380.8 | 8779.8 | 10496.0 | 12447.6 | 14850.0 | 17626.3 | 19439.4 |
| 60° | 3743.0 | 3804.7 | 4415.8 | 5577.7 | 7213.8 | 9514.4 | 12571.2 | 16224.0 | 18815.0 | 20776.6 |
| 62.5° | 2489.2 | 2530.9 | 2893.2 | 3746.3 | 5080.2 | 7629.5 | 11848.3 | 17320.8 | 20557.9 | 23103.9 |
| 65° | 1707.9 | 1749.6 | 2111.9 | 2706.2 | 3282.2 | 5046.8 | 9769.8 | 17175.6 | 22137.3 | 24952.0 |
| 67.5° | 1218.7 | 1253.8 | 1561.0 | 2121.9 | 2375.7 | 2931.6 | 6622.8 | 15319.1 | 21910.2 | 25022.1 |
| 70° | 873.1 | 893.2 | 1146.9 | 1652.8 | 1888.2 | 1761.3 | 3682.9 | 11716.4 | 19184.0 | 23105.6 |
| 72.5° | 611.0 | 617.7 | 796.3 | 1258.8 | 1520.9 | 1285.5 | 1753.0 | 7811.5 | 14509.4 | 18135.5 |
| 75° | 414.0 | 422.4 | 535.9 | 923.2 | 1220.4 | 981.7 | 928.2 | 4188.7 | 8517.7 | 10038.6 |
| 77.5° | 253.8 | 257.1 | 345.6 | 631.1 | 913.2 | 747.9 | 597.7 | 1774.7 | 3295.5 | 3235.4 |
| 80° | 143.6 | 143.6 | 220.4 | 392.3 | 622.7 | 482.5 | 419.0 | 754.6 | 1043.4 | 916.5 |
| 82.5° | 80.1 | 81.8 | 160.3 | 243.7 | 412.4 | 285.5 | 230.4 | 348.9 | 450.8 | 399.0 |
| 85° | 33.4 | 36.7 | 98.5 | 115.2 | 197.0 | 141.9 | 93.5 | 146.9 | 166.9 | 148.6 |
| 87.5° | 3.3 | 5.0 | 30.1 | 21.7 | 23.4 | 28.4 | 13.4 | 28.4 | 23.4 | 23.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P848115
 CATALOG NUMBER: GLAN-SB4C-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3841.5 | 0° | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 | 3841.5 |
| 3898.2 | 2.5° | 3866.5 | 3841.5 | 3778.0 | 3704.6 | 3607.7 | 3561.0 | 3497.6 | 3454.1 | 3417.4 | 3420.8 |
| 3995.1 | 5° | 3941.6 | 3878.2 | 3736.3 | 3559.3 | 3339.0 | 3182.0 | 3015.1 | 2899.9 | 2806.4 | 2786.4 |
| 4128.6 | 7.5° | 4045.1 | 3945.0 | 3696.2 | 3377.4 | 3005.1 | 2722.9 | 2470.8 | 2308.9 | 2193.7 | 2157.0 |
| 4290.6 | 10° | 4178.7 | 4033.5 | 3644.5 | 3148.6 | 2612.7 | 2253.8 | 1983.3 | 1856.5 | 1778.0 | 1751.3 |
| 4480.9 | 12.5° | 4334.0 | 4135.3 | 3576.0 | 2869.8 | 2208.7 | 1863.1 | 1691.2 | 1627.7 | 1602.7 | 1594.4 |
| 4714.6 | 15° | 4529.3 | 4262.2 | 3472.5 | 2539.3 | 1866.5 | 1624.4 | 1550.9 | 1542.6 | 1545.9 | 1542.6 |
| 4995.1 | 17.5° | 4761.3 | 4400.7 | 3303.9 | 2198.7 | 1636.1 | 1502.5 | 1475.8 | 1482.5 | 1490.8 | 1489.2 |
| 5308.9 | 20° | 5015.1 | 4537.6 | 3088.5 | 1896.5 | 1479.2 | 1415.7 | 1400.7 | 1407.4 | 1414.0 | 1410.7 |
| 5671.2 | 22.5° | 5303.9 | 4684.6 | 2849.8 | 1661.1 | 1374.0 | 1335.6 | 1318.9 | 1320.6 | 1320.6 | 1313.9 |
| 6130.3 | 25° | 5649.5 | 4846.5 | 2599.4 | 1494.2 | 1293.8 | 1263.8 | 1243.8 | 1237.1 | 1227.1 | 1207.0 |
| 6687.9 | 27.5° | 6061.9 | 5018.4 | 2359.0 | 1377.3 | 1230.4 | 1202.0 | 1178.7 | 1162.0 | 1136.9 | 1103.5 |
| 7357.4 | 30° | 6526.0 | 5227.1 | 2155.3 | 1303.9 | 1180.3 | 1151.9 | 1125.2 | 1100.2 | 1063.5 | 1021.7 |
| 8127.0 | 32.5° | 7071.9 | 5450.8 | 2006.7 | 1255.4 | 1135.2 | 1105.2 | 1073.5 | 1043.4 | 1003.4 | 961.6 |
| 8991.8 | 35° | 7723.0 | 5721.3 | 1919.9 | 1222.1 | 1100.2 | 1060.1 | 1025.1 | 991.7 | 961.6 | 924.9 |
| 9931.7 | 37.5° | 8429.2 | 6008.4 | 1893.2 | 1205.4 | 1076.8 | 1015.0 | 975.0 | 951.6 | 948.3 | 926.6 |
| 10948.4 | 40° | 9202.2 | 6349.0 | 1913.2 | 1195.3 | 1051.8 | 971.6 | 928.2 | 923.2 | 931.6 | 893.2 |
| 12035.3 | 42.5° | 10020.2 | 6753.0 | 1946.6 | 1183.7 | 1016.7 | 928.2 | 886.5 | 886.5 | 879.8 | 826.4 |
| 13183.9 | 45° | 10905.0 | 7218.8 | 1980.0 | 1155.3 | 975.0 | 884.8 | 853.1 | 841.4 | 813.0 | 761.3 |
| 14339.1 | 47.5° | 11796.5 | 7693.0 | 2005.0 | 1103.5 | 924.9 | 848.1 | 819.7 | 793.0 | 751.3 | 704.5 |
| 15472.7 | 50° | 12643.0 | 8118.7 | 1978.3 | 1026.7 | 868.1 | 813.0 | 783.0 | 746.3 | 701.2 | 669.5 |
| 16546.2 | 52.5° | 13399.2 | 8487.6 | 1864.8 | 936.6 | 808.0 | 776.3 | 749.6 | 711.2 | 674.5 | 641.1 |
| 17514.5 | 55° | 14057.0 | 8786.5 | 1664.5 | 851.4 | 754.6 | 744.6 | 717.9 | 669.5 | 619.4 | 591.0 |
| 18474.4 | 57.5° | 14688.1 | 9013.5 | 1414.0 | 781.3 | 706.2 | 709.5 | 669.5 | 626.1 | 579.3 | 549.3 |
| 19768.3 | 60° | 15527.8 | 9317.4 | 1160.3 | 716.2 | 654.4 | 664.5 | 621.0 | 589.3 | 530.9 | 492.5 |
| 21987.0 | 62.5° | 16870.1 | 9789.8 | 921.6 | 636.1 | 594.3 | 597.7 | 579.3 | 540.9 | 470.8 | 425.7 |
| 23631.4 | 65° | 17935.2 | 9616.2 | 726.2 | 549.3 | 525.9 | 530.9 | 530.9 | 489.2 | 414.0 | 362.3 |
| 23719.9 | 67.5° | 17815.0 | 8233.9 | 579.3 | 464.1 | 460.8 | 464.1 | 475.8 | 440.7 | 367.3 | 325.5 |
| 21913.6 | 70° | 16411.0 | 6549.4 | 464.1 | 385.6 | 400.7 | 392.3 | 425.7 | 402.3 | 330.6 | 288.8 |
| 16988.6 | 72.5° | 13390.9 | 4717.9 | 353.9 | 318.9 | 307.2 | 320.5 | 384.0 | 362.3 | 275.5 | 228.7 |
| 8998.5 | 75° | 7824.8 | 2517.6 | 263.8 | 252.1 | 222.0 | 267.1 | 340.6 | 308.9 | 210.4 | 168.6 |
| 2758.0 | 77.5° | 2547.6 | 878.1 | 193.7 | 185.3 | 165.3 | 215.4 | 290.5 | 260.4 | 172.0 | 133.6 |
| 808.0 | 80° | 682.8 | 265.4 | 131.9 | 121.9 | 106.8 | 160.3 | 230.4 | 207.0 | 123.5 | 86.8 |
| 347.3 | 82.5° | 273.8 | 111.9 | 76.8 | 68.4 | 58.4 | 110.2 | 182.0 | 166.9 | 91.8 | 55.1 |
| 108.5 | 85° | 88.5 | 36.7 | 28.4 | 21.7 | 26.7 | 68.4 | 108.5 | 113.5 | 65.1 | 28.4 |
| 16.7 | 87.5° | 11.7 | 5.0 | 5.0 | 6.7 | 5.0 | 11.7 | 33.4 | 31.7 | 18.4 | 3.3 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| <u>180°</u> |
|-------------|
| 3841.5 |
| 3387.4 |
| 2741.3 |
| 2120.2 |
| 1731.2 |
| 1589.3 |
| 1540.9 |
| 1485.8 |
| 1409.0 |
| 1310.5 |
| 1203.7 |
| 1100.2 |
| 1018.4 |
| 963.3 |
| 921.6 |
| 924.9 |
| 894.8 |
| 826.4 |
| 759.6 |
| 702.8 |
| 664.5 |
| 637.7 |
| 587.7 |
| 545.9 |
| 487.5 |
| 422.4 |
| 357.3 |
| 318.9 |
| 283.8 |
| 223.7 |
| 163.6 |
| 128.5 |
| 85.1 |
| 55.1 |
| 21.7 |
| 0.0 |
| 0.0 |

F REPORT)